BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Measurements Taken On											
		Qty. Vide Item No. 1						1385.20			
							TOTAL	1385.20	60.42	83694.00	
									Sub Total	8363201.04	
									Add 12% Applicable GST	1003584.12	
									Add 3% KRIDL Charges	250896.00	
									Add 1% Labour Cess	83632.00	
									Total Amount	9701313	

22/11/2020

Assistant Executive Engineer
R.R. Nagar, Sub-division
KRIDL, BMP, Bangalore

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
0	15		Sqm	1	15.00	4.15		62.25			
15	30		Sqm	1	15.00	4.20		63.00			
30	45		Sqm	1	15.00	4.15		62.25			
45	59.5		Sqm	1	14.50	4.00		58.00			
		Road-3									
0	15		Sqm	1	15.00	3.30		49.50			
15	30		Sqm	1	15.00	3.35		50.25			
30	45		Sqm	1	15.00	3.00		45.00			
45	54.5		Sqm	1	9.50	3.25		30.88			
							TOTAL	2351.07	24.84	58401.00	
Item No.18		providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On											
		Srinivaspaura Temple Road Main Road-1									
0	15		Cum	1	15.00	6.25	0.04	3.75			
15	30		Cum	1	15.00	6.10	0.04	3.66			
30	45		Cum	1	15.00	6.30	0.04	3.78			
45	60		Cum	1	15.00	6.35	0.04	3.81			
60	75		Cum	1	15.00	6.40	0.04	3.84			
75	90		Cum	1	15.00	6.50	0.04	3.90			
90	105		Cum	1	15.00	6.20	0.04	3.72			
105	120		Cum	1	15.00	6.35	0.04	3.81			
120	135		Cum	1	15.00	6.45	0.04	3.87			
135	150		Cum	1	15.00	6.10	0.04	3.66			
150	165		Cum	1	15.00	6.30	0.04	3.78			
165	180		Cum	1	15.00	6.40	0.04	3.84			
180	195		Cum	1	15.00	6.35	0.04	3.81			
195	210		Cum	1	15.00	6.45	0.04	3.87			
210	225		Cum	1	15.00	6.10	0.04	3.66			
225	240		Cum	1	15.00	6.30	0.04	3.78			
240	255		Cum	1	15.00	6.40	0.04	3.84			
255	264.9		Cum	1	9.90	6.20	0.04	2.46			
		Road-1									
0	15		Cum	1	15.00	4.90	0.04	2.94			
15	30		Cum	1	15.00	4.75	0.04	2.85			
30	45		Cum	1	15.00	4.80	0.04	2.88			
45	54.1		Cum	1	9.10	4.65	0.04	1.69			
		Road-2									
0	15		Cum	1	15.00	4.15	0.04	2.49			
15	30		Cum	1	15.00	4.20	0.04	2.52			
30	45		Cum	1	15.00	4.15	0.04	2.49			
45	59.5		Cum	1	14.50	4.00	0.04	2.32			
		Road-3									
0	15		Cum	1	15.00	3.30	0.04	1.98			
15	30		Cum	1	15.00	3.35	0.04	2.01			
30	45		Cum	1	15.00	3.00	0.04	1.80			
45	54.5		Cum	1	9.50	3.25	0.04	1.24			
							TOTAL	94.04	8869.02	834067.00	
Item No.19		Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the work									

Assistant Executive Engineer
R.R. Nagar, Sub-Division,
KRIDL, Bangalore

Contractor

PRASAD CONSULTANTS BANGALORE PMC

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No.14		Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						652.39			
							Total	**652.39**	**2001.28**	**1305605**	
Item No.15		providing and applying **primer coat** from 7.5 to 9 8 kg and 9 8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no.						1328 69			
							Total	**1328.69**	**36.04**	**47885.81**	
Item No.16		Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						66.43			
							Total	**66.43**	**6823.44**	**453310.12**	
Item No.17		providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For Asphat road	**Sqm**								
		Srinivaspaura Temple Road Main Road-1									
0	15		Sqm	1	15 00	6.25		93.75			
15	30		Sqm	1	15.00	6.10		91 50			
30	45		Sqm	1	15.00	6.30		94.50			
45	60		Sqm	1	15.00	6.35		95.25			
60	75		Sqm	1	15.00	6.40		96.00			
75	90		Sqm	1	15 00	6.50		97.50			
90	105		Sqm	1	15 00	6.20		93 00			
105	120		Sqm	1	15.00	6.35		95 25			
120	135		Sqm	1	15 00	6.45		96.75			
135	150		Sqm	1	15.00	6 10		91.50			
150	165		Sqm	1	15.00	6.30		94 50			
165	180		Sqm	1	15.00	6.40		96.00			
180	195		Sqm	1	15 00	6.35		95.25			
195	210		Sqm	1	15 00	6.45		96.75			
210	225		Sqm	1	15.00	6.10		91.50			
225	240		Sqm	1	15 00	6.30		94.50			
240	255		Sqm	1	15.00	6.40		96 00			
255	264.9		Sqm	1	9.90	6.20		61.38			
		Road-1									
0	15		Sqm	1	15.00	4.90		73 50			
15	30		Sqm	1	15 00	4.75		71 25			
30	45		Sqm	1	15.00	4.80		72.00			
45	54.1		Sqm	1	9.10	4.65		42.32			
		Road-2									

Assistant Executive Engineer
R R Nagar, Sub-Division,
KRIDL, BBMP, Bangalore
Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
30	45		Cum	1	15.00	5.00	0.10	7.50			
45	60		Cum	1	15.00	5.10	0.10	7.65			
60	75		Cum	1	15.00	5.15	0.10	7.73			
75	79.5		Cum	1	4.50	5.05	0.10	2.27			
							TOTAL	193.65	5770.64	1117461.00	
Item No.12		Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For CC Road	M	20	5.00			100.00			
			M	20	5.00			100.00			
			M	25	5.00			125.00			
							TOTAL	325.00	126.14	40996.00	
Item No.13		Vaccum De- watering with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For Cement Concrete Road									
		Srinivaspura Chruch Road 2nd Cross-1									
0	15		Sqm	1	15.00	5.30		79.50			
15	30		Sqm	1	15.00	5.30		79.50			
30	45		Sqm	1	15.00	5.30		79.50			
45	57		Sqm	1	12.00	5.30		63.60			
		2nd Cross-2									
0	15		Sqm	1	15.00	5.55		83.25			
15	30		Sqm	1	15.00	5.55		83.25			
30	45		Sqm	1	15.00	5.55		83.25			
45	56.5		Sqm	1	11.50	5.55		63.83			
		2nd Cross-3									
0	15		Sqm	1	15.00	5.30		79.50			
15	30		Sqm	1	15.00	5.30		79.50			
30	45		Sqm	1	15.00	5.30		79.50			
45	54.1		Sqm	1	9.10	5.30		48.23			
		2nd Cross									
0	15		Sqm	1	15.00	5.10		76.50			
15	30		Sqm	1	15.00	5.25		78.75			
30	45		Sqm	1	15.00	5.30		79.50			
45	60		Sqm	1	15.00	5.35		80.25			
60	75		Sqm	1	15.00	5.50		82.50			
75	90		Sqm	1	15.00	5.45		81.75			
90	105		Sqm	1	15.00	5.35		80.25			
105	117.7		Sqm	1	12.70	5.40		68.58			
		Cross									
0	15		Sqm	1	15.00	5.20		78.00			
15	30		Sqm	1	15.00	5.10		76.50			
30	45		Sqm	1	15.00	5.00		75.00			
45	60		Sqm	1	15.00	5.10		76.50			
60	75		Sqm	1	15.00	5.15		77.25			
75	79.5		Sqm	1	4.50	5.05		22.73			
							TOTAL	1936.46	72.08	139580	

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Executive Engineer
R.R. Nagar, Sub-division
KRIDL, Contractor Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		LHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	54.1		Sqm	1	9.10	0.90		8.19			
		RHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	54.1		Sqm	1	9.10	0.90		8.19			
		2nd Cross									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	41.3		Sqm	1	11.30	0.90		10.17			
		Missing Cover Slab in Church Road									
			Sqm	17	0.90	0.60		9.18			
							TOTAL	**348.03**	**2100.00**	**730863.00**	

Item No.11	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. and as per the directions of the Engineer-in-charge of the work
Measurements Taken On;	

		For Cement Concrete Road									
		Srinivaspura Chruch Road 2nd Cross-1									
0	15		Cum	1	15.00	5.30	0.10	7.95			
15	30		Cum	1	15.00	5.30	0.10	7.95			
30	45		Cum	1	15.00	5.30	0.10	7.95			
45	57		Cum	1	12.00	5.30	0.10	6.36			
		2nd Cross-2									
0	15		Cum	1	15.00	5.55	0.10	8.33			
15	30		Cum	1	15.00	5.55	0.10	8.33			
30	45		Cum	1	15.00	5.55	0.10	8.33			
45	56.5		Cum	1	11.50	5.55	0.10	6.38			
		2nd Cross-3									
0	15		Cum	1	15.00	5.30	0.10	7.95			
15	30		Cum	1	15.00	5.30	0.10	7.95			
30	45		Cum	1	15.00	5.30	0.10	7.95			
45	54.1		Cum	1	9.10	5.30	0.10	4.82			
		2nd Cross									
0	15		Cum	1	15.00	5.10	0.10	7.65			
15	30		Cum	1	15.00	5.25	0.10	7.88			
30	45		Cum	1	15.00	5.30	0.10	7.95			
45	60		Cum	1	15.00	5.35	0.10	8.03			
60	75		Cum	1	15.00	5.50	0.10	8.25			
75	90		Cum	1	15.00	5.45	0.10	8.18			
90	105		Cum	1	15.00	5.35	0.10	8.03			
105	117.7		Cum	1	12.70	5.40	0.10	6.86			
		Cross									
0	15		Cum	1	15.00	5.20	0.10	7.80			
15	30		Cum	1	15.00	5.10	0.10	7.65			

Assistant Executive Engineer
R.R. Nagar, Sub-division
KRIDL, BWSSB, Bangalore
Contactor

SUDHARRASAD CONSULTANTS BANGALORE PMC

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Assistant Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
45	54.1		Cum	2	9.10	0.15	0.60	1.64			
		2nd Cross									
0	15		Cum	2	15.00	0.15	0.65	2.93			
15	30		Cum	2	15.00	0.15	0.65	2.93			
30	41.3		Cum	2	11.30	0.15	0.65	2.20			
		For Culverts									
		Srinivaspura Church Road Cross Road-1	Cum	1	5.50	1.20	0.23	1.52			
		Srinivaspura Church Road Cross Road-2	Cum	1	6.00	1.80	0.23	2.48			
		Cross Roads-3	Cum	1	5.30	1.20	0.23	1.46			
		Srinivaspura Sai baba Temple Main Road-2	Cum	1	6.30	1.80	0.23	2.61			
		Srinivaspura Sai baba Temple Main Road-3	Cum	1	5.80	1.80	0.23	2.40			
							TOTAL	**132.20**			
							Quantity Limited To	**132.17**	**5998.54**	**792827.00**	
Item No.9		:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no.						8.61			
							Quantity Limited To	**8.59**	**75223.96**	**646253**	
Item No.10		Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications e.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For RCC Drain									
		Srinivaspura Chruch Road 2nd Cross-1									
		LHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	57		Sqm	1	12.00	0.90		10.80			
		RHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	57		Sqm	1	12.00	0.90		10.80			
		2nd Cross-2									
		LHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	56.5		Sqm	1	11.50	0.90		10.35			
		RHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	56.5		Sqm	1	11.50	0.90		10.35			
		2nd Cross-3									

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor

PRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
					(m)	(m)	(m)		RS.	RS.	
From	To										
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	56.5		Cum	1	11.50	0.90	0.15	1.55			
		RHS									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	56.5		Cum	1	11.50	0.90	0.15	1.55			
		2nd Cross-3									
		LHS									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	54.1		Cum	1	9.10	0.90	0.15	1.23			
		RHS									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	54.1		Cum	1	9.10	0.90	0.15	1.23			
		2nd Cross									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	41.3		Cum	1	11.30	0.90	0.15	1.53			
		For Side Wall									
		Srinivaspura Chruch Road 2nd Cross-1									
		LHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	57		Cum	2	12.00	0.15	0.60	2.16			
		RHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	57		Cum	2	12.00	0.15	0.60	2.16			
		2nd Cross-2									
		LHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	56.5		Cum	2	11.50	0.15	0.65	2.24			
		RHS									
0	15		Cum	2	15.00	0.15	0.65	2.93			
15	30		Cum	2	15.00	0.15	0.65	2.93			
30	45		Cum	2	15.00	0.15	0.65	2.93			
45	56.5		Cum	2	11.50	0.15	0.65	2.24			
		2nd Cross-3									
		LHS									
0	15		Cum	2	15.00	0.15	0.65	2.93			
15	30		Cum	2	15.00	0.15	0.65	2.93			
30	45		Cum	2	15.00	0.15	0.65	2.93			
45	54.1		Cum	2	9.10	0.15	0.65	1.77			
		RHS									
0	15		Cum	2	15.00	0.15	0.65	2.93			
15	30		Cum	2	15.00	0.15	0.65	2.93			
30	45		Cum	2	15.00	0.15	0.65	2.93			

Assistant Executive Engineer
R.R. Nagar, Sub-division
KRIDL, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No.5		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no.						978.42			
								958.12			
							Quantity limited to				
							Total	958.12	309.52	296557.302	
Item No.6		Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						39.98			
							Total	39.98	5627.54	224969.35	
Item No.7		Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For Culverts									
		Srinivaspura Church Road Cross Road-1	Sqm	2	5.50		0.45	4.95			
		Srinivaspura Church Road Cross Road-2	Sqm	2	6.00		0.45	5.40			
		Cross Roads-3	Sqm	2	5.30		0.45	4.77			
		Srinivaspura Sai baba Temple Main Road-2	Sqm	2	6.30		0.45	5.67			
		Srinivaspura Sai baba Temple Main Road-3	Sqm	2	5.80		0.45	5.22			
							TOTAL	26.01			
							Quantity Limited To	24.80	223.66	5547.00	
Item No.8		Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For RCC Drain Bottom									
		Srinivaspura Chruch Road 2nd Cross-1									
		LHS									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	57		Cum	1	12.00	0.90	0.15	1.62			
		RHS									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	57		Cum	1	12.00	0.90	0.15	1.62			
		2nd Cross-2									
		LHS									

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, Bgm, Bangalore
Contactor

BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drain at Srinivaspura Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No.1		Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						1385.20			
							Total	**1385.20**	**137.80**	**190879.98**	
Item No.2		Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						350.13			
							Total	**350.13**	**3606.12**	**1262605.39**	
Item No.3		Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For Culverts									
		Srinivaspura Church Road Cross Road-1	Cum	2	5.50	0.60	0.50	3.30			
		Srinivaspura Church Road Cross Road-2	Cum	2	6.00	0.60	0.50	3.60			
		Cross Roads-3	Cum	2	5.30	0.60	0.50	3.18			
		Srinivaspura Sai baba Temple Main Road-2	Cum	2	6.30	0.60	0.50	3.78			
		Srinivaspura Sai baba Temple Main Road-3	Cum	2	5.80	0.60	0.50	3.48			
							TOTAL	**17.34**			
							Quantity Limited To	**14.88**	**4871.76**	**72492.00**	
Item No.4		Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements Taken On;											
		For Culverts									
		Srinivaspura Church Road Cross Road-1	Cum	2	5.50	0.50	0.45	2.48			
		Srinivaspura Church Road Cross Road-2	Cum	2	6.00	0.50	0.45	2.70			
		Cross Roads-3	Cum	2	5.30	0.50	0.45	2.39			
		Srinivaspura Sai baba Temple Main Road-2	Cum	2	6.30	0.50	0.45	2.84			
		Srinivaspura Sai baba Temple Main Road-3	Cum	2	5.80	0.50	0.45	2.61			
							TOTAL	**13.01**			
							Quantity Limited To	**11.16**	**5305.30**	**59207.00**	

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Contractor

Assistant Engineer

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ಚಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer